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LORAN-C RHO-RHO SECONDARY PHASE CORRECTION TABLE

WEST COAST, CANADA

Prepared and published by the
DEFENSE MAPPING AGENCY HYDROGRAPHIC/TOPOGRAPHIC CENTER
WASHINGTON, D.C. 20315-0030

1986

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PREFACE

Loran-C Rho-Rho Secondary Phase Corrections contained in this table are necessary to reduce a calculated Loran-C groundwave range value to a more accurate line of position. The table is entered directly with a DR position or the latitude and longitude of an uncorrected Loran-C Rho-Rho fix to the nearest ten minutes of arc to find the correction. The correction, being a microsecond value, is then added algebraically to the phase difference value.

Although descriptive and instructional materials for Loran-C are included in navigation manuals published by the Defense Mapping Agency Hydrographic/Topographic Center (DMAHTC) and other sources, a general introduction to the basic concepts of the Loran-C Rho-Rho Navigation System and the derivation of the Rho-Rho Secondary Phase Correction are included in this table for review by the navigator.

Users should refer corrections, additions and comments for improving this product to:

Director, Defense Mapping Agency Hydrographic/Topographic Center
Attn: PR
Washington, D.C. 20315-0030

LORAN-C RHO-RHO SECONDARY PHASE CORRECTION TABLES

INTRODUCTION

LORAN-C RHO-RHO DESCRIPTION

Basic Principles of Rho-Rho Loran-C

Loran-C is a long range navigation system, employing time difference measurements of signals received by the navigator from low frequency (100 kHz) ground transmitting stations. This system can be utilized in the standard hyperbolic or the specialized ranging (Rho-Rho) mode, depending on the user's requirement and available equipment. In the Rho-Rho mode, received signals from a single Loran-C transmitting station are compared against a stable local atomic frequency standard. The difference in phase between these two signals plus the number of wave-lengths (continuously counted within the receiver) will give the navigator the distance or range in microseconds from his position to the position of the received Loran-C transmitting station. The measured range represents one Rho-Rho line of position. This process must be completed again using signals from another Loran-C transmitting station. When two Rho-Rho lines of position have been determined and plotted on a special chart, portraying a ranging lattice, the crossing point of the lines defines a geographical position.

It has become possible in recent years to resolve a Loran-C fix either hyperbolic or Rho-Rho without plotting on the special charts. This is accomplished by using electronic computers specifically programmed to convert the phase or time difference readings to geographic coordinates. The phase difference readings are entered in the computer either manually or automatically. The computed geographic coordinates are displayed on LCD's, printed on paper, or stored on tape (i.e. magnetic or punched paper) for future analysis.

Loran-C Calibration

Calibration for the Loran-C chain is accomplished by:

a. An intensive monitoring of the propagated signals in the coverage area.
b. Horizontal surveying of the monitoring positions.
c. Determining time difference values for the surveyed positions.
d. Performing a statistical analysis between field monitored and computed time differences.
e. Assignment of land conductivity values.
f. Final adjustment of the control numbers held at the transmitting stations.

The United States Coast Guard is responsible for the calibration of each Loran-C Chain. The calibration team is flown into selected airfields to monitor the Loran-C signals. In remote areas, without airfields, a mobile van is used for monitoring. These monitor sites are marked and later surveyed relative to local horizontal datum by the Defense Mapping Agency (DMA). The local horizontal datum positions are converted to a World-Wide Geodetic System so as to improve the predictability of the Loran-C readings over the entire globe. Time difference values for all the observed pairs are then determined for each monitor site based on these WGS positions.

A statistical analysis is performed on the differences between the computed and the observed or field recorded values. The observed values will differ from the computed ones because of the mixed propagation path of the transmitted signal. Water bodies and various types of land masses along the signal path absorb the signal and cause an appreciable decrease in velocity and an increase in the propagation time. Other factors such as variations in the transmitted coding delay and retardation in velocity due to the index of refraction, although small, will affect the reception of Loran-C signals.

After the analysis, conductivity values are assigned to all land masses in the service area of the Loran-C chain. These values are designed to compensate for the signal retardation of the mixed propagation path. This method is limited by the number of monitoring sites occupied in the field by the calibration team. Loran-C stations have been installed to provide the best coverage over water areas. Therefore, a minimum amount of land mass is available on which to establish calibration points for some service areas. Thus, in the final calibration, the land conductivities assigned may only approximate the true values.

The adjustment of the control numbers held at the transmitters is the final effort to bring the entire system into agreement with the calibration results.

SECONDARY PHASE CORRECTION

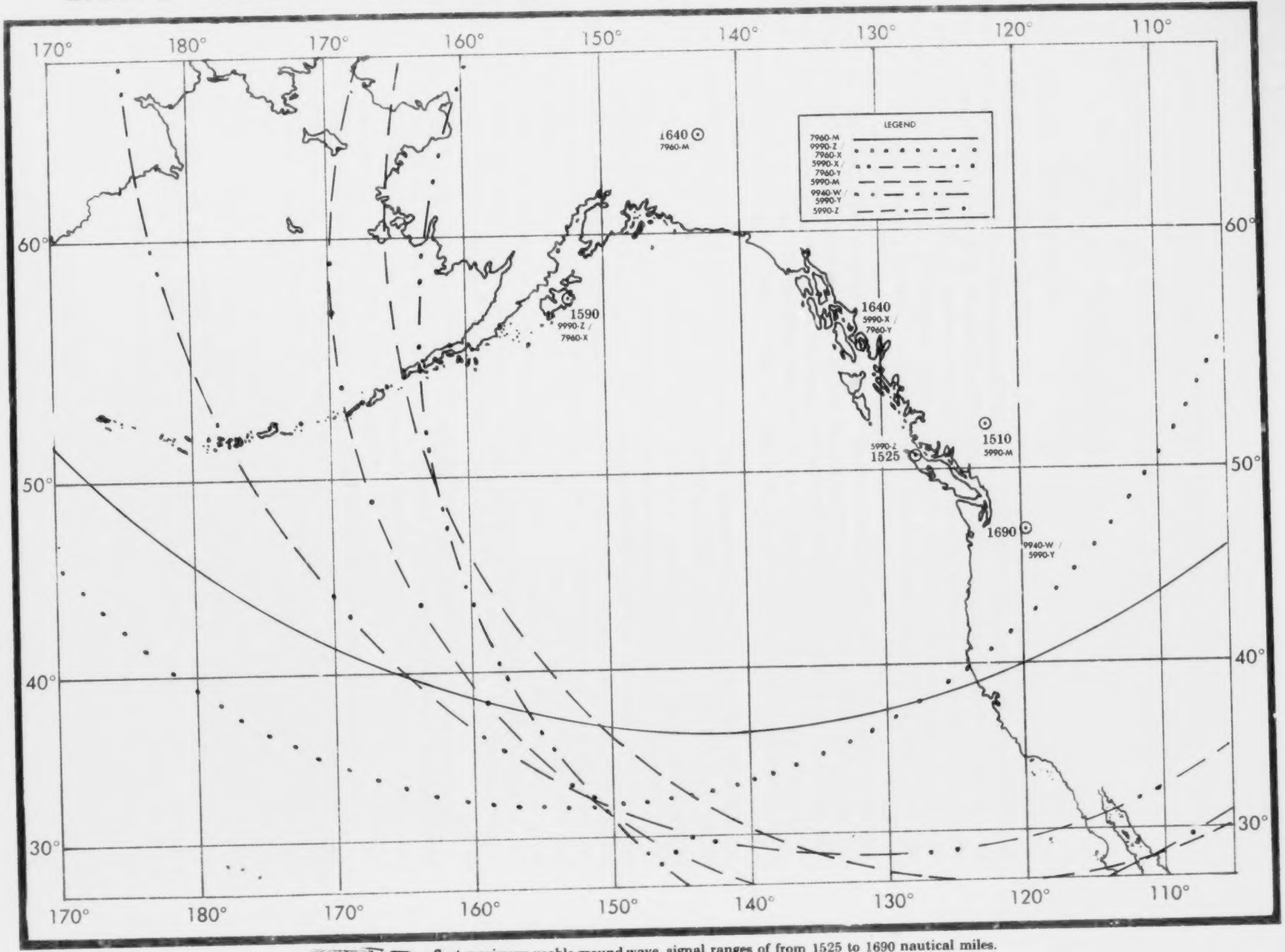
The Secondary Phase Corrections or Additional Secondary Factors (ASF) which are presented in this publication are required to obtain the maximum positioning accuracy from the Rho-Rho mode of the Loran-C navigation system. The Secondary Phase Correction, hereafter referred to as the ASF Correction, results from attenuation of low frequency radio signals transmitted over heterogeneous surfaces of land and sea. The propagation velocity of a low frequency radio signal is related directly to the conductivity of the surfaces over which it is transmitted. Therefore, any change of surface conductivity will affect the propagation of the tranmitted signal resulting in a phase retardation at the receiver. The corrections contained in this publication are for use in reducing or eliminating the difference in propagation time.

The computation of ASF Corrections are performed by the Defense Mapping Agency Hydrographic/Topographic Center (DMAHTC). Land conductivity constants derived by the U.S. Coast Guard are forwarded to DMAHTC for integration into computer programs especially designed to resolve ASF Corrections.

The solution used to resolve ASF Corrections is called Millington's Method. This method is based on the premise that the phase distortion due to a composite land-sea path is the arithmetic average of the phase distortion found in the forward and reverse paths of the propagated signal. Essentially this means that computations are first made along a given azimuth from the transmitting station to a point (forward solution). Then the process is reversed and computations are made from the point to the transmitter (reverse solution). The results of the forward and reverse solutions are averaged to obtain a mean value for the phase retardation at the point from one transmitting station.

Although Millington's Method is a simple mathematical solution, the extremely large number of computations required for tabular and chart production prohibit manual computations. The electronic computer, however, can rapidly derive ASF corrections along a given azimuth at any desired increment, such as every one nautical mile, every ten nautical miles, etc.

LORAN-C RHO-RHO RANGE DIAGRAM GULF OF ALASKA – WEST COAST, CANADA


170°
180°
170°
160°
150°
140°
130°
120°
110°
60°
50°
40°
30°
1640
7960-M
1590
9990-Z / 7960-X
1640
5990-X / 7960-Y
1510
5990-M
5990-Z
1525
1690
9940-W / 5990-Y
LEGEND
7960-M
9990-Z / 7960-X
5990-X / 7960-Y
5990-M
9940-W / 5990-Y
5990-Z

The circular arcs reflect maximum usable ground wave signal ranges of from 1525 to 1690 nautical miles.

Figure 1.

The mean values derived for one station from the forward and reverse solution of Millington's Method are presented in an azimuth array. This array is a series of geodetic azimuths radiating from a transmitter with corrections computed at incremented distances along each azimuth. After the values are computed in the azimuthal array a computer program rearranges them into a matrix form. The matrix form is the arrangement of corrections into rows and columns covering a specified geographical area at a constant spacing. The purpose of the matrix is to enable the corrections from a Loran-C transmitter to be arranged in the desired tabular form. This tabular form is the body of the table.

TABLE DESCRIPTION

A Rho-Rho ASF Correction Table is prepared for each station in a Loran-C chain. As a rule, the limits of the table coverage are determined by the range of the groundwave transmissions from the appropriate Loran-C station, (see figure 1). Each page of corrections in the table covers an area six degrees in latitude by two degrees of longitude, with corrections printed in increments of ten minutes of arc. The latitude values are printed in the left hand column of each correction page. The longitude values are printed in the upper and lower row of the page. Station designation and page numbers are printed at the top of each correction page.

Pages are numbered from left to right, starting in the upper left corner of the area, (see Page Index, page 1). Those pages on which the latitude and longitude limits include all land area will be omitted and their numbers transferred to the next appropriate page. Those pages where latitude and longitude limits contain both land and sea water are included, but contain corrections only for the area covered by sea water. Large land bodies will be represented by blank spaces on the page.

Rho-Rho ASF correction values can only be negative. These negative values are indicated by a negative sign preceding the number. Areas requiring no correction show a zero value which in some cases may be preceded by a negative sign. The negative sign preceding a zero results from the rounding off of a value slightly less than zero and indicates the trend of the correction.

USE OF TABLES

The Rho-Rho ASF Correction Tables have limited distribution and are published primarily for precision military and survey type operations which utilize electronic computers to convert Loran-C Rho-Rho phase differences to geographic coordinates. This does not preclude application of the ASF Correction Tables by authorized personnel using manual plotting methods for the Rho-Rho Loran-C mode of navigation.

Although the Rho-Rho ASF Corrections are generally too small to affect a Loran-C Rho-Rho fix plotted on a small scale chart, they can become as large as 4 microseconds. This off-set in feet will be appreciable in the areas of coverage as depicted in figure 1.

The table can be entered directly by using the ship's position determined to the nearest ten minutes of arc in latitude and longitude either by dead reckoning or some other means. To find the page with the appropriate correction, the Page Index of the table must be utilized. This index shows the limits and page number of all pages in the table. Each page is six degrees in latitude and two degrees in longitude. Enter the index with the ship's position and locate the number of the page on which the desired correction is found. In some cases the ship's position will fall on the page limit in either latitude or longitude or both. These positions are repeated on both pages and either page may be used. The Rho-Rho ASF correction is added algebraically to the phase difference for the Loran-C station. Many users having electronic computers will enter these values for the received stations directly into the computer. While in the area where the corrections apply, the values will be applied automatically to all calculated phase differences for the particular stations. The geographical position determined from the corrected phase differences will be the most precise position which can be determined by using the Rho-Rho mode of the Loran-C navigation system.

TABLE LIMITATIONS

Interpolation or extrapolation of Rho-Rho ASF Corrections from the table is not recommended. The correction nearest the derived latitude and longitude should be applied to the appropriate phase differences.

ASF Corrections should not be used within ten nautical miles of land. This are represents an unreliable zone where large variations occur in the magnitude of the corrections.

EXAMPLE

Loran-C Rho-Rho phase differences calculated by the computer are 3214.63 microseconds and 2908.60 microseconds for Stations 9960-M and 9960-X respectively. From these values the computer determines a position of 39°02.30′N latitude and 66°28.10′W longitude. Entering the Page Index of the Rho-Rho 9960-M ASF table with the latitude and longitude nearest to the computed ship's position, the page number containing the derived geographics is found to be 27, example page VII. Entering page 27, the Rho-Rho 9960-M ASF correction at 39°00.00′N latitude and 66°30.00′W longitude is −2.8 microseconds. Entering the Rho-Rho 9960-X ASF table, the same procedure used with the Rho-Rho 9960-M ASF table is repeated. The correction for 39°00.00′N latitude and 66°30.00′W longitude is found on page 54, example page VIII and the value is −1.9 microseconds.

The Rho-Rho ASF corrections are applied to the calculated phase differences as follows:

9960-M Phase Difference	3214.63	9960-X Phase Difference	2908.60
Rho-Rho ASF Correction	−2.80	Rho-Rho ASF Correction	−1.90
Corrected Phase Difference	3211.83	Corrected Phase Difference	2906.70

The corrected phase differences are used to recompute a new latitude and longitude for the Loran-C fix. This new position, 39°02.56′N latitude and 66°28.58′W longitude, indicates an appreciable off-set from the original position.

In the areas where Rho-Rho ASF Corrections are relatively constant, values can be preset into the computer and corrected geographic positions obtained automatically.

EXAMPLE PAGE

9960-M ㉗

LONGITUDE WEST

LATITUDE NORTH		68° 0'	50	40	30	20	10	67° 0'	50	40	㉚	20	10	(66)° 0'
	42° 0'	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	50	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	40	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	30	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	20	-3.2	-3.2	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	10	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	41° 0'	-3.1	-3.1	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.2	-3.2	-3.2	-3.2	-3.2
	50	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	40	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
	30	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0	-3.1	-3.1
	20	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0	-3.0	-3.0	-3.0
	10	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-3.0	-3.0	-3.0
	40° 0'	-2.8	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9
	50	-2.8	-2.8	-2.8	-2.8	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9
	40	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.9	-2.9	-2.9	-2.9
	30	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.9
	20	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
	10	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
	㊴° ⓪'	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	$\boxed{-2.8}$	-2.8	-2.8	-2.8
	50	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
	40	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8	-2.8	-2.8	-2.8
	30	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8	-2.8	-2.8
	20	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.8
	10	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	38° 0'	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	50	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	40	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	30	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	20	-2.6	2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
	10	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7
	37° 0'	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7	-2.7
	50	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7	-2.7	-2.7
	40	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.7
	30	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6	-2.6
	20	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6	-2.6
	10	-2.6	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6	-2.6
	36° 0'	-2.5	-2.6	-2.6	-2.7	-2.7	-2.7	-2,7	-2.7	-2.7	-2.7	-2.6	-2.6	-2.6
		68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'

LONGITUDE WEST

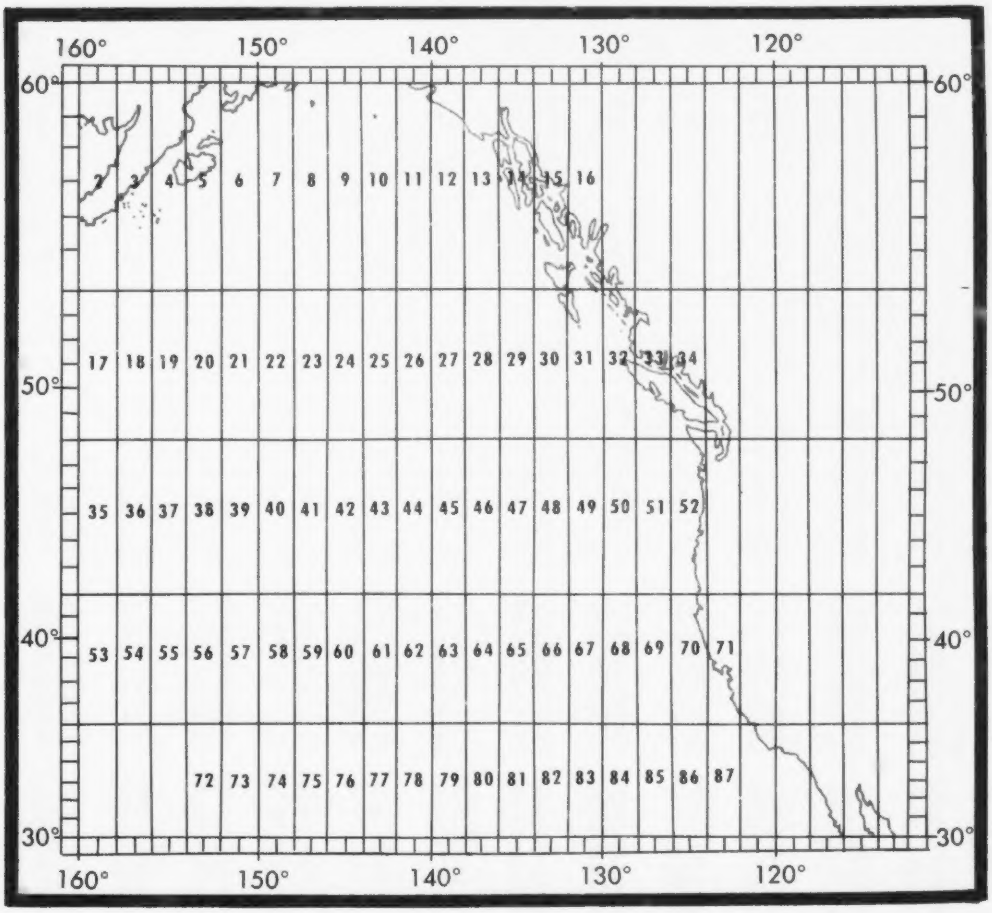
EXAMPLE PAGE

54

9960-X

LATITUDE NORTH	LONGITUDE WEST 68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'
42° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.8	-1.8	-1.8	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
41° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
39° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8
38° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.9	-1.9	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.8	-1.9	-1.9	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
37° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.9	-1.9	-1.9
50	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
40	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
30	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9	-1.9	-1.8	-1.8	-1.9
20	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.8	-1.9
10	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.8	-1.9
36° 0'	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.9	-1.8	-1.9	-1.9	-1.9	-1.8	-1.9
	68° 0'	50	40	30	20	10	67° 0'	50	40	30	20	10	66° 0'
	LONGITUDE WEST												

PAGE INDEX TO SECONDARY PHASE CORRECTIONS FOR LORAN-C STATION
5990–Z PORT HARDY


160°
150°
140°
130°
120°
60°
50°
40°
30°
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16
17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34
35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52
53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71
72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87

Corrections on each page cover an area six degrees in latitude and two degrees in longitude and are in increments of ten minutes of arc.

LATITUDE NORTH	LONGITUDE WEST												
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													
30													−0.8
20										−0.9	−0.6	−0.6	−0.7
10												−0.6	−0.6
56° 0′											−0.7	−0.7	−0.7
50		−0.9		−0.8	−0.7	−0.8	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.7	−0.8		−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10			−0.8	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
54° 0′	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													−1.1
20										−1.0	−0.8	−0.8	−0.9
10											−0.8	−0.8	−0.8
57° 0′									−0.7	−0.6	−0.6	−0.6	−0.6
50					−1.0		−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40					−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7
30	−0.8	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.7		−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6
56° 0′	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
60° 0′													
50													
40													
30													
20													–0.7
10												–0.7	–0.8
59° 0′													
50													
40													
30													
20												–0.9	–0.9
10												–0.9	–0.9
58° 0′							–1.1	–1.1	–1.0	–1.0	–1.0	–1.0	–1.0
50						–1.1	–1.1	–1.2	–1.2	–1.2	–1.3	–1.3	–1.4
40				–1.2	–1.2	–1.2	–1.2	–1.2	–1.2	–1.2	–1.2	–1.2	–1.3
30	–1.1	–1.1	–1.1	–1.1	–1.2	–1.2	–1.2	–1.2	–1.3				
20	–0.9	–1.0	–1.0	–1.0	–1.0	–1.2	–1.2	–1.3					
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9				
57° 0′	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.8				–0.8
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7		–0.6	–0.6		–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
56° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
55° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
60° 0′										−1.1	−1.2	−1.3	−1.4
50						−1.1		−0.9	−1.0	−1.0	−1.0	−1.1	−1.1
40							−0.9	−0.9	−0.9	−0.8	−0.9	−0.9	−1.0
30			−0.7	−0.7	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.1
20	−0.7	−0.7	−0.7		−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−1.0	−1.0
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
59° 0′				−0.8	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7
50					−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8
40				−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30		−1.0	−1.0	−1.0	−1.0	−1.0	−0.9	−0.9	−0.8		−0.7	−0.7	−0.7
20	−0.9	−0.9	−1.0	−1.0	−1.1	−1.0	−1.2						−0.9
10	−0.9	−0.9	−1.0	−0.9	−1.0							−0.8	−0.7
58° 0′	−1.0	−1.0	−1.0	−1.0	−0.9	−0.8			−0.7	−0.7	−0.7	−0.7	−0.7
50	−1.4			−1.2	−1.2			−1.1			−0.7	−0.7	−0.7
40	−1.3	−1.2	−1.4	−1.4							−0.7	−0.7	−0.7
30								−0.9				−0.7	−0.7
20							−0.8			−0.7	−0.7	−0.7	−0.7
10					−0.8			−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
57° 0′	−0.8	−0.8		−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50			−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
56° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
60° 0′	−1.4	−1.4											
50	−1.1	−1.3											
40	−1.0	−1.0			−1.3	−1.4							
30	−1.1	−1.1	−1.0	−1.2						−0.8		−0.7	−0.7
20	−1.0							−0.8		−0.7	−0.7	−0.7	−0.7
10	−0.7			−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
59° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.8	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7
20	−0.9	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
LATITUDE NORTH 58° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
57° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
56° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
60° 0′					–0.8	–0.8				–0.9	–0.9	–0.9	–1.0
50			–0.9	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40		–1.0	–0.9	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7
30	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
59° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7
58° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
57° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
56° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
55° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
60° 0′	−1.0	−0.8	−0.9		−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.7	−0.6	−0.6
50	−0.8			−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7
59° 0′	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
58° 0′	−0.8	−0.8	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.8	−0.7
30	−0.7	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
57° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
56° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
55° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
60° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
50	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
59° 0′	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
58° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7
57° 0′	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
55° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
60° 0′	–0.5		–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
50	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
59° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
58° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
57° 0′	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
56° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
55° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	144° 0′ LONGITUDE WEST	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′

	LONGITUDE WEST												
LATITUDE NORTH	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
60° 0′	–0.6				–1.3								
50	–0.6	–0.6	–0.6	–0.6	–0.6								
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.7	–0.8	–0.8
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.7
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
59° 0′	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
20	–0.7	–0.6	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
58° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7
30	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
57° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
30	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
56° 0′	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
60° 0′				–3.1									
50			–2.0				–3.4						
40	–0.8	–0.9	–1.1										
30	–0.7	–0.8											
20	–0.5	–0.6	–0.7	–0.8	–0.7	–0.8							
10	–0.6	–0.6	–0.5	–0.6	–0.8	–0.8	–0.8	–0.9		–1.6			
59° 0′	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.8	–0.8	–0.8	–0.9	–1.1	–1.7	
50	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.8	–1.0	–1.3
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.8	–0.8	–0.9
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
58° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
57° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
56° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
50	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7
55° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.7	–0.8	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50	−1.3									−1.2	−1.2		
40	−0.9	−1.1		−1.9							−1.6	−1.0	−1.2
30	−0.8	−0.8	−1.0	−1.1									−1.2
20	−0.6	−0.8	−0.8	−0.9	−1.0	−1.3	−1.6				−1.6	−1.6	−1.5
10	−0.6	−0.6	−0.6	−0.9	−0.8	−0.9	−1.2	−1.5	−1.7	−1.9	−1.8	-	
58° 0′	−0.6	−0.5	−0.6	−0.6	−0.7	−0.9	−0.8	−1.0	−1.3		−1.9		
50	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.8	−0.9	−0.9	−1.2			
40	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.9	−0.9	−1.0		
30	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.5	−0.6	−0.6	−0.7	−0.9	−1.0	−1.2
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.9	−1.0
10	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.6	−0.6	−0.7
57° 0′	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
40	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5
10	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6
56° 0′	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6
40	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7
10	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
55° 0′	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8
50	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.8
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7
10	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7
54° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	136° 0'	50	40	30	20	10	135° 0'	50	40	30	20	10	134° 0'
60° 0'													
50													
40													
30													
20													
10													
59° 0'													
50						−1.7							
40	−1.2						−1.6						
30	−1.2	−1.2						−1.7					
20	−1.5	−1.4	−1.1	−1.2			−1.9		−1.7	−1.8			−3.0
10					−1.3	−1.2	−1.4				−1.5	−1.8	
58° 0'								−1.4				−1.5	−1.8
50								−1.2					
40			−1.4					−0.9					−1.4
30	−1.2					−1.2		−1.0	−1.0				
20	−1.0		−1.2						−1.1	−1.1			
10	−0.7	−1.1			−1.4				−1.2			−0.8	−0.9
57° 0'	−0.6	−0.6	−0.7	−0.9	−1.1				−1.2	−1.2	−1.1	−0.9	−0.8
50	−0.6	−0.6	−0.7	−0.6		−0.9			−0.8	−1.1	−1.3		−1.0
40	−0.5	−0.6	−0.6	−0.6	−0.7	−0.8				−0.8	−1.0		
30	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6				−0.8	−0.8	−0.9	
20	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6		−0.5	−0.6	−0.6		
10	−0.6	−0.5	−0.5	−0.5	−0.5	−0.4	−0.6	−0.6	−0.7	−0.5	−0.6	−0.5	
56° 0'	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.4	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.6	−0.7	−0.7	−0.5
40	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.5	−0.5
10	−0.8	−0.8	−0.8	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6
55° 0'	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6
50	−0.7	−0.7	−0.8	−0.9	−0.9	−0.9	−0.8	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.8	−0.9	−0.9	−0.9	−0.9	−0.7	−0.8	−0.8	−0.7
30	−0.8	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.9	−0.9	−0.9	−0.9	−0.8	−0.8
20	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.7	−0.7	−0.8	−0.9	−1.0	−1.0	−0.9
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.7	−0.8	−0.7	−0.7	−0.9	−1.0
54° 0'	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7
	136° 0'	50	40	30	20	10	135° 0'	50	40	30	20	10	134° 0'
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20	−3.0												
10													
58° 0′	−1.8		−3.0										
50		−1.7											
40	−1.4	−1.4	−1.8		−2.7								
30		−1.4	−1.4										
20		−1.3	−1.5	−1.6	−1.5	−2.1							
10	−0.9	−1.0	−1.4	−1.5		−1.5							
57° 0′	−0.8				−1.5		−1.4						
50	−1.0	−0.9			−1.2		−1.5	−1.4					
40						−1.1							
30			−1.1				−1.1	−1.4	−1.3	−1.4	−1.8		
20		−1.0	−1.3			−0.7							−2.1
10		−0.8	−1.0	−1.3	−1.1			−0.6				−1.2	−1.7
56° 0′	−0.6	−0.7		−1.0	−1.0				−0.6	−0.7			−1.3
50	−0.5	−0.6	−0.6	−0.8	−0.8	−1.1					−0.8	−1.0	
40	−0.7	−0.7	−0.5	−0.6						−0.6	−0.5		
30	−0.5	−0.7				−0.5					−0.6		−0.6
20	−0.5	−0.5	−0.7	−0.7									−0.5
10	−0.6	−0.5	−0.5	−0.5	−0.7		−0.4				−0.6	−0.5	
55° 0′	−0.6	−0.6	−0.6	−0.5	−0.5	−0.8		−0.4	−0.4			−0.5	
50	−0.7	−0.7	−0.6	−0.6	−0.5	−0.5	−0.5			−0.4	−0.4		
40	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.5	−0.5		−0.4	−0.4	−0.4	−0.4
30	−0.8	−0.8	−0.8	−0.8	−0.7	−0.6	−0.6	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4
20	−0.9	−0.8	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7	−0.6	−0.5	−0.5	−0.5	−0.4
10	−1.0	−1.0	−0.9	−0.8	−0.9	−0.9		−0.8	−0.7	−0.7	−0.6	−0.6	−0.5
54° 0′	−0.7	−0.9	−1.0	−1.0	−1.0	−0.9							
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
60° 0′													
50													
40													
30													
20													
10													
59° 0′													
50													
40													
30													
20													
10													
58° 0′													
50													
40													
30													
20													
10													
57° 0′													
50													
40													
30													
20	–2.1												
10	–1.7												
56° 0′	–1.3			–2.0									
50				–2.1									
40													
30	–0.6	–1.1			–1.5								
20	–0.5			–0.9			–1.8		–2.1				–2.3
10		–0.5	–0.5		–0.9	–0.9			–1.9	–2.1			
55° 0′		–0.5	–0.6	–0.5	–0.8	–0.9	–1.0				–1.9		–2.3
50		–0.4	–0.5	–0.6	–0.5	–0.7	–0.9		–1.5			–1.9	
40	–0.4	–0.3	–0.4	–0.5	–0.6	–0.5	–0.7	–0.9	–1.1	–1.5			
30	–0.4	–0.4	–0.3	–0.4	–0.5	–0.5	–0.6		–0.9	–1.2			–1.9
20	–0.4	–0.4	–0.4	–0.3	–0.4	–0.5	–0.5	–0.6	–0.7	–0.9	–1.2		–1.6
10	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5		–0.8	–1.0	–1.2	–1.6
54° 0′			–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.6			–1.0	
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
54° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
49° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.7	–0.7	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
53° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
52° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
51° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.5	−0.4	−0.4
49° 0′	−0.7	−0.7	−0.7	−0.7	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
30	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
20	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
10	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
48° 0′	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.4	–0.4
20	–0.7	–0.7	–0.7	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
	156° 0′ LONGITUDE WEST	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′

LATITUDE NORTH	LONGITUDE WEST 154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5
40	–0.7	–0.7	–0.7	–0.7	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5
	154° 0′ LONGITUDE WEST	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′

	LONGITUDE WEST												
LATITUDE NORTH	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
48° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5
10	–0.7	–0.7	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5
49° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
54° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.5
30	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
48° 0′	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4
30	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5
30	–0.4	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4
49° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
54° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.6	–0.6	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
53° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50° 0′	–0.4	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
49° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
54° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
53° 0′	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
52° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
51° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
30	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50° 0′	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
30	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5
10	−0.5	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
49° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5
48° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.4	−0.4	−0.4
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
54° 0′	−0.7	−0.7	−0.7	−0.7	−0.8	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.7	−0.8	−0.8	−0.8	−0.8
40	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.8	−0.8
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
53° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
52° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
51° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
10	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50° 0′	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.5
50	−0.4	−0.4	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
49° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.4	−0.4	−0.4
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.3	−0.2
20	−0.6	−0.6	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.3	−0.3	−0.2	−0.2	−0.2
10	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.3	−0.2	−0.2	−0.2	−0.2	−0.2	−0.2
48° 0′	−0.4	−0.4	−0.4	−0.3	−0.2	−0.2	−0.2	−0.2	−0.2	−0.2	−0.2	−0.2	−0.3
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
54° 0′	–0.7	–0.9	–1.0	–1.0	–1.0	–0.9							
50	–0.8	–0.8	–0.7	–0.9	–1.1	–1.1							
40	–0.8	–0.9	–0.8	–0.8	–0.8	–0.9	–1.3			–0.7	–0.9		
30	–0.8	–0.8	–0.8	–0.9	–0.8	–0.8	–0.8						
20	–0.8	–0.8	–0.8	–0.9	–0.8	–0.9	–0.9	–0.8					
10	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–1.0			–0.9	
53° 0′	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.9	–0.8	–0.9	–0.9		–0.9	
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.9	–0.9		
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–1.0
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
52° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
51° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5
50° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.4	–0.4
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.4	–0.4	–0.4	–0.3	–0.2
49° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2
50	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
40	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5
10	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
48° 0′	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
54° 0′			−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.6			−1.0	
50			−0.4	−0.4	−0.4	−0.4	−0.4	−0.3	−0.5	−0.6			−1.1
40		−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.3	−0.5			
30		−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.3			−0.4
20		−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.3	
10			−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.3
53° 0′				−0.5	−0.5	−0.5	−0.5	−0.4	−0.5	−0.4	−0.4	−0.4	−0.3
50		−0.7		−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.4
40	−1.0		−0.6		−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4
30	−0.8	−0.9			−0.6	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.6	−0.6	−0.9		−0.8	−0.7	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.6	−0.6	−0.6	−0.6	−0.7		−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
52° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.6	−0.6
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
51° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8
50	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8
40	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
50° 0′	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.4	−0.3
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.4	−0.4	−0.2	−0.2	−0.2	−0.3
30	−0.6	−0.6	−0.4	−0.4	−0.4	−0.3	−0.2	−0.2	−0.2	−0.2	−0.3	−0.3	−0.4
20	−0.4	−0.4	−0.3	−0.2	−0.2	−0.2	−0.2	−0.3	−0.3	−0.4	−0.4	−0.5	−0.5
10	−0.2	−0.2	−0.2	−0.2	−0.2	−0.3	−0.3	−0.3	−0.4	−0.5	−0.5	−0.5	−0.5
49° 0′	−0.2	−0.2	−0.2	−0.3	−0.3	−0.3	−0.4	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5
50	−0.3	−0.3	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.4	−0.5	−0.5
40	−0.3	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.6
30	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6
48° 0′	−0.5	−0.5	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′

LONGITUDE WEST

	LONGITUDE WEST												
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
54° 0′									–1.6				
50	–1.1								–1.7				
40								–0.9					
30	–0.4			–1.2		–1.3			–1.3				
20			–0.6			–1.0							
10	–0.3	–0.3	–0.4		–0.7				–0.9				
53° 0′	–0.3	–0.3	–0.3	–0.4						–0.6			
50	–0.4	–0.4	–0.3	–0.3		–0.5				–0.5		–1.1	
40	–0.4	–0.4	–0.4	–0.3	–0.3							–0.9	
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3	–0.5	–0.6				
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.3		–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.5			
L 52° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.3	–0.6	–0.7	
A													
T 50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.7	–0.4
I 40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.6	
T 30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	
U 20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.5	–0.4	–0.4
D 10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.5	–0.4
E 51° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.7	–0.7	–0.7
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.9		
N 40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7		
O 30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.7	–0.8	–0.8	–1.0	
R 20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.3	–0.3	–0.7
T 10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.4	–0.2	–0.2	–0.4	–0.6	–0.7	–0.7
H 50° 0′	–0.7	–0.5	–0.5	–0.4	–0.2	–0.2	–0.3	–0.4	–0.6	–0.5	–0.6	–0.7	–0.8
50	–0.3	–0.2	–0.2	–0.3	–0.4	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.9
40	–0.3	–0.3	–0.4	–0.5	–0.5	–0.6	–0.5	–0.6	–0.6	–0.7	–0.8	–0.8	–0.7
30	–0.4	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.8	–0.8
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.8	–0.7	–0.8
10	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.8	–0.8	–0.8	–0.7	–0.8	–0.8
49° 0′	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.7	–0.8	–0.8
50	–0.5	–0.5	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.7	–0.8	–0.8	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
48° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
54° 0′													
50													
40													
30													
20													
10													
53° 0′													
50							−1.9						
40							−1.8						
30		−1.3		−1.3									
20	−0.7		−1.1	−1.2		−1.6	−1.8						
10		−1.2		−1.2				−1.7					
52° 0′			−1.0						−1.4				
50	−0.4				−1.1				−1.4				
40					−1.0			−1.4	−1.5				
30		−0.4											
20	−0.4	−0.4	−0.4	−0.5		−0.7							
10	−0.4	−0 3					−0.7		−0.7			−1.4	
51° 0′	−0.7	−0.5	−0.4										
50			−0.6	−0.4	−0.3	−0.3		−0.3			−0.3		
40						−0.3	−0.4	−0.4	−0.4	−0.5		−0.5	
30		−0.9	−0.2							−0.7	−0.5		
20	−0.7												
10	−0.7	−0.8											
50° 0′	−0.8	−1.0	−0.9	−1.0	−1.3	−1.0							
50	−0.9	−0.7	−0.8	−0.9	−1.1	−0.8	−1.2						
40	−0.7	−0.8	−0.8	−0.9	−1.0	−0.7	−1.0					−1.7	
30	−0.8	−0.8	−0.8	−0.8	−1.0	−0.8	−0.9	−1.0	−1.2				
20	−0.8	−0.8	−0.8	−0.9	−1.0	−0.7	−0.9	−0.9	−1.1	−1.2	−1.3		
10	−0.8	−0.8	−0.8	−0.9	−1.0	−0.7	−0.7	−0.9	−1.0	−1.1	−1.3	−1.3	
49° 0′	−0.8	−0.8	−0.8	−0.9	−1.0	−0.7	−0.7	−0.9	−0.9	−1.1	−1.1	−1.2	−1.3
50	−0.7	−0.8	−0.8	−0.9	−0.9	−0.7	−0.7	−0.9	−0.9	−0.9	−1.1	−1.1	−1.2
40	−0.7	−0.8	−0.8	−0.9	−0.9	−0.7	−0.7	−0.8	−0.9	−0.9	−1.0	−1.0	−1.2
30	−0.7	−0.8	−0.8	−0.9	−0.9	−0.7	−0.7	−0.8	−0.8	−0.9	−0.9	−1.1	−1.0
20	−0.7	−0.7	−0.8	−0.9	−0.9	−0.7	−0.7	−0.7	−0.8	−0.8	−0.9	−1.0	−1.0
10	−0.7	−0.7	−0.8	−0.8	−0.9	−0.7	−0.7	−0.6	−0.8	−0.8	−0.8	−0.9	−1.0
48° 0′	−0.7	−0.7	−0.8	−0.8	−0.9	−0.7	−0.6	−0.6	−0.8	−0.8	−0.8	−0.9	−1.0
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
54° 0′													
50													
40													
30													
20													
10													
53° 0′													
50													
40													
30													
20													
10													
52° 0′													
50													
40													
30													
20													
10													
51° 0′													
50			−1.1							−2.0			
40				−1.0									
30		−0.7					−1.3						
20							−0.8						
10							−1.1		−1.5				
50° 0′							−1.2	−1.1					
50							−1.6	−1.5	−1.4				
40								−1.7	−1.5	−1.6			
30										−1.6			−1.9
20												−1.6	
10			−2.0										
49° 0′	−1.3	−1.4			−2.2								
50	−1.2	−1.3	−1.4	−1.8	−1.9	−1.9							
40	−1.2	−1.1	−1.3	−1.3	−1.7	−1.8	−1.9						
30	−1.0	−1.2	−1.1	−1.2	−1.2	−1.7	−1.8	−1.8	−2.0	−2.4			
20	−1.0	−1.1	−1.0	−1.2	−1.2	−1.5	−1.6	−1.7	−2.0		−2.1	−2.3	−2.4
10	−1.0	−1.0	−1.1	−1.1	−1.2	−1.2	−1.5	−1.6					−2.2
48° 0′	−1.0	−0.9	−1.0	−1.1	−1.0	−1.1	−1.1	−1.5	−1.5				
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
47° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5
20	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
46° 0′	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
45° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
44° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5
10	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.5
47° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.5	–0.4	–0.4	–0.5	–0.4
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
46° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
45° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
47° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
46° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
45° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.4	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
47° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5
46° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
45° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
43° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
48° 0′	−0.5	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
30	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
20	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
10	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
47° 0′	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4
50	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.4
40	−0.4	−0.4	−0.4	−0.4	−0.4	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
30	−0.4	−0.4	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
46° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
45° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
44° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
43° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5
42° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.5	−0.5	−0.5	−0.5
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.4	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
47° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
46° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
45° 0′	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
44° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5
43° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
42° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
48° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
47° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
46° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
45° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
44° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
43° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
42° 0′	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
48° 0′	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
47° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
46° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
45° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
44° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
43° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
42° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
47° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
46° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
45° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
44° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
43° 0′	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
50	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
42° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
48° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
47° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
46° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
45° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
44° 0′	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
20	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
10	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
43° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
47° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
46° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
20	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
45° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
42° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
48° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
40	–0.6	–0.6	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
47° 0′	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
10	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
46° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
45° 0′	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
44° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
43° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
48° 0′	–0.4	–0.4	–0.4	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
50	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
20	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
47° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
10	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5
46° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
45° 0′	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
44° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
43° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
48° 0′	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5
30	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
47° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
46° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
45° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
48° 0′	–0.5	–0.5	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
46° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.6	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
43° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
42° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
48° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
47° 0′	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
46° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
45° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
44° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
43° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
48° 0′	−0.7	−0.7	−0.8	−0.8	−0.9	−0.7	−0.6	−0.6	−0.8	−0.8	−0.8	−0.9	−1.0
50	−0.7	−0.7	−0.8	−0.8	−0.8	−0.7	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.9
40	−0.7	−0.7	−0.7	−0.8	−0.8	−0.6	−0.6	−0.6	−0.6	−0.8	−0.8	−0.8	−0.8
30	−0.7	−0.7	−0.7	−0.8	−0.8	−0.6	−0.6	−0.6	−0.6	−0.8	−0.7	−0.8	−0.8
20	−0.7	−0.7	−0.8	−0.8	−0.8	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7	−0.8	−0.8
10	−0.7	−0.7	−0.8	−0.8	−0.8	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8
47° 0′	−0.7	−0.7	−0.8	−0.8	−0.8	−0.6	−0.7	−0.6	−0.6	−0.6	−0.8	−0.8	−0.8
50	−0.7	−0.7	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.8	−0.8	−0.8
40	−0.7	−0.7	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8
30	−0.7	−0.7	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8
20	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8
10	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.8	−0.8
46° 0′	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.8	−0.8
50	−0.7	−0.7	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8
40	−0.7	−0.7	−0.8	−0.8	−0.8	−0.9	−0.6	−0.7	−0.6	−0.6	−0.6	−0.7	−0.8
30	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.8
20	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.8
10	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6	−0.7
45° 0′	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7
50	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
44° 0′	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
50	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
40	−0.7	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6	−0.6
43° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6
42° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−0.6	−0.6	−0.7	−0.6	−0.6	−0.6
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
48° 0′	−1.0	−0.9	−1.0	−1.1	−1.0	−1.1	−1.1	−1.5	−1.5				
50	−0.9	−1.0	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1	−1.4				
40	−0.8	−0.9	−1.0	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1	−1.4			
30	−0.8	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.1	−1.1	−1.1			
20	−0.8	−0.8	−0.9	−1.0	−0.9	−1.0	−0.9	−1.0	−1.1	−1.1	−1.1		
10	−0.8	−0.8	−0.9	−0.9	−0.9	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1		
47° 0′	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−1.0	−1.0	−1.0	−1.0	−1.1	−1.1	
50	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−0.9	−1.0	−0.9	−1.0	−1.1	−1.1	
40	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.0	−1.1	−1.1
30	−0.8	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0	−1.1
20	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.0	
10	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.0	−1.0
46° 0′	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−1.0
50	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0	−0.9
40	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	−1.0	−1.0
30	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−1.0	−0.9	−0.9	−0.9	−1.0
20	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	
10	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	−0.9	−0.9
45° 0′	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	
50	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−0.9	
40	−0.6	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	−1.0	
30	−0.6	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	
20	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	−1.0	
10	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	
44° 0′	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	−0.9	
50	−0.6	−0.6	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.9	
40	−0.6	−0.6	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8		
30	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8		
20	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8			
10	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8			
43° 0′	−0.6	−0.6	−0.6	−0.7	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8			
50	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8				
40	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8			
30	−0.6	−0.6	−0.6	−0.7	−0.8	−0.7	−0.8	−0.8	−0.8	−0.8			
20	−0.6	−0.6	−0.6	−0.7	−0.8	−0.7	−0.8	−0.8	−0.8	−0.8			
10	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8			
42° 0′	−0.6	−0.6	−0.6	−0.6	−0.7	−0.8	−0.8	−0.8	−0.8	−0.8	−0.8		
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
41° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
36° 0′	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	160° 0′	50	40	30	20	10	159° 0′	50	40	30	20	10	158° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
37° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2
	158° 0′	50	40	30	20	10	157° 0′	50	40	30	20	10	156° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
39° 0′	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
20	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
38° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
37° 0′	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
36° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
	156° 0′	50	40	30	20	10	155° 0′	50	40	30	20	10	154° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40° 0′	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2
39° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
50	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.4	–0.3	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
38° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
37° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
36° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.6	–0.6	–0.6	–0.6	–0.5	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
30	–0.6	–0.6	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.6	–0.6	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.6	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
41° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3
50	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2
10	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40° 0′	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
39° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
38° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
37° 0′	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
42° 0′	–0.5	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.4	–0.4	–0.4	–0.4	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.4	–0.4	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
41° 0′	–0.3	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.3	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
39° 0′	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
38° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
37° 0′	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
42° 0′	–0.3	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2
20	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3
10	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3
41° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
40° 0′	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
39° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
38° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
37° 0′	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
42° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4
30	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4
41° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
39° 0′	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
38° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5
37° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST												
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
42° 0′	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
50	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
41° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5
39° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
38° 0′	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
37° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
36° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
42° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.5
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.5	−0.5
41° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.5	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.5	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40° 0′	−0.5	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.4	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
40	−0.4	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.4	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
39° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6
38° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
37° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
36° 0′	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
42° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
41° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
39° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
42° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′

LONGITUDE WEST

LONGITUDE WEST

LATITUDE NORTH	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
42° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
42° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
41° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
40° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
39° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
38° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
37° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
42° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.7	–0.6	–0.6	–0.6
41° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
40° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
39° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.7	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
38° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
37° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
36° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′

LONGITUDE WEST

LATITUDE NORTH	LONGITUDE WEST 126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
42° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8		
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8		
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8	–0.8	–1.4	
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8	–0.8	–1.0	
20	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	
41° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8	–0.8	
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8	–0.8	–0.8		
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8		
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.8			
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8			
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.8	–0.8		
40° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.7	–0.8	–1.2	
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.7	–1.0	–1.2
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.7	–0.9	–1.1
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8	–1.1
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.7	–0.8	–1.0
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.7	–0.8	–1.0
39° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.8	–0.7	–0.9
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8	–0.8	–0.9
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8	–0.8
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.8
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.7	–0.7
38° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.8
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8	–0.7
37° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.8
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.8	–0.8
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
42° 0′													
50													
40													
30													
20													
10													
41° 0′													
50													
40													
30													
20													
10													
40° 0′													
50	−1.2												
40	−1.1	−1.4											
30	−1.1	−1.3											
20	−1.0	−1.2											
10	−1.0	−1.1											
39° 0′	−0.9	−1.1											
50	−0.9	−1.0	−1.4										
40	−0.8	−1.0	−1.1	−1.9									
30	−0.8	−1.0	−1.1	−1.6	−2.2								
20	−0.7	−0.9	−1.0	−1.5	−1.9	−2.7							
10	−0.7	−0.9	−1.0	−1.2	−1.8	−2.4	−3.1						
38° 0′	−0.8	−0.8	−1.0	−1.1	−1.7	−2.2		−3.4					
50	−0.8	−0.8	−0.9	−1.0	−1.4	−1.9	−2.7	−3.1	−3.4				
40	−0.7	−0.7	−0.9	−1.0	−1.4	−1.8	−2.4	−2.9	−3.2	−3.4			
30	−0.7	−0.7	−0.9	−1.0	−1.2	−1.7	−2.2	−2.8	−3.0	−3.2			
20	−0.7	−0.8	−0.8	−0.9	−1.0	−1.5	−2.0	−2.6	−2.9	−3.0			
10	−0.7	−0.7	−0.8	−0.9	−1.0	−1.4	−1.8	−2.5	−2.8	−3.0			
37° 0′	−0.7	−0.7	−0.7	−0.9	−1.0	−1.3	−1.7	−2.2	−2.7	−2.9	−3.1	−3.9	
50	−0.7	−0.7	−0.7	−0.9	−1.0	−1.2	−1.6	−2.0	−2.6	−2.8	−3.0	−3.6	−3.6
40	−0.7	−0.7	−0.7	−0.9	−1.0	−1.1	−1.5	−1.9	−2.5	−2.8	−2.9	−3.5	−3.5
30	−0.8	−0.7	−0.8	−0.7	−0.9	−1.0	−1.3	−1.7	−2.3	−2.7	−2.8	−3.1	−3.4
20	−0.8	−0.7	−0.7	−0.8	−0.9	−1.0	−1.3	−1.6	−2.1	−2.6	−2.8	−2.9	−3.4
10	−0.8	−0.7	−0.7	−0.7	−0.9	−1.0	−1.2	−1.6	−2.0	−2.5	−2.7	−2.8	−3.3
36° 0′	−0.8	−0.7	−0.7	−0.7	−0.9	−1.0	−1.1	−1.5	−1.8	−2.5	−2.7	−2.8	−3.1
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
36° 0′	–0.2	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
50	–0.2	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
40	–0.2	–0.2	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
30	–0.2	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
20	–0.2	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3
35° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
34° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
33° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
32° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	154° 0′	50	40	30	20	10	153° 0′	50	40	30	20	10	152° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
36° 0′	–0.3	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.3	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
40	–0.3	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
30	–0.3	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
20	–0.3	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
10	–0.3	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
35° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
34° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
33° 0′	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
32° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
	152° 0′	50	40	30	20	10	151° 0′	50	40	30	20	10	150° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
36° 0′	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
35° 0′	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
34° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
33° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
32° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
	150° 0′	50	40	30	20	10	149° 0′	50	40	30	20	10	148° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
36° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5
35° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
34° 0′	–0.5	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
33° 0′	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
32° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
31° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
30° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
	148° 0′	50	40	30	20	10	147° 0′	50	40	30	20	10	146° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
36° 0′	–0.5	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.4	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.4	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.4	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
35° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
34° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
33° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6
32° 0′	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.5	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.5	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.5	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	146° 0′	50	40	30	20	10	145° 0′	50	40	30	20	10	144° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′
36° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.6
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.6	−0.6
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6
10	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.6	−0.6	−0.6	−0.6
35° 0′	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.5	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.5	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
34° 0′	−0.5	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.5	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.5	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.5	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
33° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
32° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
31° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
50	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
40	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
30	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6
20	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7
10	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7
30° 0′	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.6	−0.7	−0.7
	144° 0′	50	40	30	20	10	143° 0′	50	40	30	20	10	142° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
36° 0′	–0.5	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
35° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
34° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	142° 0′	50	40	30	20	10	141° 0′	50	40	30	20	10	140° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	140° 0′	50	40	30	20	10	139° 0′	50	40	30	20	10	138° 0′
	LONGITUDE WEST												

LONGITUDE WEST

LATITUDE NORTH

	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	138° 0′	50	40	30	20	10	137° 0′	50	40	30	20	10	136° 0′

LONGITUDE WEST

	LONGITUDE WEST												
LATITUDE NORTH	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
30	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	136° 0′	50	40	30	20	10	135° 0′	50	40	30	20	10	134° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
36° 0′	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.6
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7
	134° 0′	50	40	30	20	10	133° 0′	50	40	30	20	10	132° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST												
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
36° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
35° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
34° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
33° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
32° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
31° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
50	−0.6	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
40	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
20	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
10	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
30° 0′	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7	−0.7
	132° 0′	50	40	30	20	10	131° 0′	50	40	30	20	10	130° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
36° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
35° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8
34° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
33° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
32° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
31° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
50	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
40	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
20	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
10	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
30° 0′	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8
	130° 0′	50	40	30	20	10	129° 0′	50	40	30	20	10	128° 0′
	LONGITUDE WEST												

LATITUDE NORTH	LONGITUDE WEST 128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
36° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
35° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
34° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
33° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
32° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
50	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
40	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
30	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
20	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
10	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.8	–0.8	–0.8	–0.8	–0.8	–0.8	–0.9	–0.9	–0.9	–0.6	–0.6	–0.6	–0.6
	128° 0′	50	40	30	20	10	127° 0′	50	40	30	20	10	126° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
36° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
35° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
34° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.7
33° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
32° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
31° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
50	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
40	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
20	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
10	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
30° 0′	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6	–0.6
	126° 0′	50	40	30	20	10	125° 0′	50	40	30	20	10	124° 0′
	LONGITUDE WEST												

	LONGITUDE WEST												
LATITUDE NORTH	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
36° 0′	–0.8	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1	–1.5	–1.8	–2.5	–2.7	–2.8	–3.1
50	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.4	–1.7	–2.2	–2.6	–2.8	–2.9
40	–0.8	–0.7	–0.7	–0.8	–0.7	–0.9	–1.0	–1.3	–1.6	–2.1	–2.6	–2.7	–2.8
30	–0.7	–0.8	–0.7	–0.7	–0.8	–0.9	–1.0	–1.2	–1.6	–2.0	–2.5	–2.7	–2.8
20	–0.7	–0.8	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1	–1.5	–1.8	–2.4	–2.7	–2.7
10	–0.7	–0.8	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.4	–1.7	–2.2	–2.6	–2.8
35° 0′	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.3	–1.6	–2.1	–2.6	–2.7
50	–0.7	–0.8	–0.7	–0.7	–0.8	–0.8	–0.9	–1.0	–1.2	–1.6	–2.0	–2.5	–2.7
40	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.1	–1.5	–1.8	–2.4	–2.7
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.0	–1.4	–1.7	–2.2	–2.6
20	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3	–1.6	–2.1	–2.6
10	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.3	–1.6	–2.0	–2.5
34° 0′	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.2	–1.5	–1.9	–2.4
50	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1	–1.5	–1.7	–2.2
40	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3	–1.6	–2.1
30	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3	–1.6	–2.0
20	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.2	–1.5	–1.9
10	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1	–1.5	–1.7
33° 0′	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.0	–1.4	–1.7
50	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3	–1.6
40	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3	–1.6
30	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.2	–1.5
20	–0.6	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1	–1.4
10	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.0	–1.3
32° 0′	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.3
50	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0	–1.2
40	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0	–1.1
30	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0	–1.1
20	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0
10	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0
31° 0′	–0.6	–0.6	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9	–1.0
50	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.9	–1.0
40	–0.6	–0.6	–0.6	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–1.0
30	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9
20	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9
10	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.7	–0.9	–0.9
30° 0′	–0.6	–0.6	–0.6	–0.7	–0.7	–0.7	–0.8	–0.7	–0.7	–0.7	–0.7	–0.8	–0.9
	124° 0′	50	40	30	20	10	123° 0′	50	40	30	20	10	122° 0′
	LONGITUDE WEST												

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